

## FACT SHEET

as required by LAC 33:IX.2111 for major facilities, for draft Louisiana Pollutant Discharge Elimination System Permit No. LA0033464; AI 19335; PER20070001 to discharge to waters of the State of Louisiana as per LAC 33:IX.2311.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

- I. THE APPLICANT IS:** City of Pineville  
City of Pineville Wastewater Treatment Plant  
Post Office Box 3820  
Pineville, Louisiana 71361
- II. PREPARED BY:** Todd Franklin
- DATE PREPARED:** August 16, 2007
- III. PERMIT ACTION:** reissue LPDES permit LA0033464, AI 19335; PER20070001
- LPDES application received: March 12, 2007
- EPA has not retained enforcement authority.
- Previous LPDES permit effective: December 1, 2001  
Previous LPDES permit expires: November 30, 2006

**IV. FACILITY INFORMATION:**

- A. The application is for the discharge of treated sanitary wastewater from a publicly owned treatment works serving the City of Pineville, including some commercial facilities outside the incorporated areas.
- B. The permit application does indicate the receipt of industrial wastewater. The industrial dischargers include:

<u>Name of Discharger</u>	<u>Flow</u>
Colfax Treating Company	0.036 MGD
Procter & Gamble	0.47 MGD
Huey P. Long Medical Center	0.04 MGD
Willamette Valley Company	not included in application
Department of Veteran Affairs Medical Center	0.12 MGD
PQ Corporation	0.027 MGD
Dis-Tran Products, Inc.	0.001 MGD
Baker Manufacturing	0.06 MGD
Central Louisiana Hospital	0.38 MGD

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- C. The facility is located at 390 Hillcrest Boulevard in Pineville, Rapides Parish.
- D. The Treatment system consists of two separate treatment systems that combine into one external outfall. The original treatment plant consists of primary and secondary treatment through an aerated lagoon. The new additional treatment system consists of primary and secondary treatment through an activated sludge treatment plant. Following treatment the effluent is chlorinated and dechlorinated prior to discharge.

E. Outfall 001

The City of Pineville has created a second discharge location for Outfall 001. The original outfall location will be used when the Red River is at a low enough level where the effluent may flow from the pipe via gravity. The City of Pineville created a second outfall location for times when the Red River is too high and prevents a gravity flow discharge. The City of Pineville will pump water through the alternate discharge location during these times.

Original Discharge Location: Latitude 31° 19' 13" North  
Longitude 92° 26' 57" West

Alternate Discharge Location: Latitude 31° 19' 4" North  
Longitude 92° 26' 54" West

Description: treated sanitary wastewater

Design Capacity: 4.5 MGD

Outfall 101

Discharge Location: After treatment from the aerated lagoon prior to mixing with effluent from the activated sludge treatment plant

Design Capacity: 3 MGD

Type of Flow Measurement which the facility is currently using:

Combination Totalizing Meter / Continuous Recorder

Outfall 102

Discharge Location: After treatment from the activated sludge treatment plant prior to mixing with effluent from the aerated lagoon plant

Design Capacity: 1.5 MGD

Type of Flow Measurement which the facility is currently using:

Ultrasonic Horizontal Weir Meter

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**V. RECEIVING WATERS:**

The discharge is into the Red River in Subsegment 100201 of the Red River Basin. This Subsegment is not listed on the 303(d) list of impaired waterbodies.

The **critical low flow** (7Q10) of the Red River is 1,740 cfs.

The **hardness value** is 107.6 mg/l and the **fifteenth percentile value for TSS** is 10.8 mg/l.

The designated uses and degree of support for Subsegment 100201 of the Red River Basin are as indicated in the table below<sup>1/</sup>:

Overall Degree of Support for Segment	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Not Supported	Full	Full	Not Supported	N/A	Not Supported	N/A	N/A

<sup>1/</sup> The designated uses and degree of support for Subsegment 100201 of the Red River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2004 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

**VI. ENDANGERED SPECIES:**

The receiving waterbody, Subsegment 100201 of the Red River Basin, is listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an *endangered species*. Since effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat, LDEQ has determined that the issuance of this LPDES permit is not likely to adversely affect the Pallid sturgeon or its aquatic habitats. As instructed by the FWS in a letter dated September 29, 2006, from Watson (FWS) to Brown (LDEQ), this fact sheet has been sent to the FWS for review and consultation.

**VII. HISTORIC SITES:**

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

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**VIII. PUBLIC NOTICE:**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Todd Franklin  
Permits Division  
Department of Environmental Quality  
Office of Environmental Services  
P. O. Box 4313  
Baton Rouge, Louisiana 70821-4313

**IX. PROPOSED PERMIT LIMITS:**

Subsegment 100201, Red River-Alexandria (Hwy. 165) to Old River Control Structure Diversion Channel, is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDLs have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

**Final Effluent Limits:****OUTFALL 101 – Internal outfall from the aerated lagoon**

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
BOD <sub>5</sub>	751	30 mg/l	45 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size which discharge directly into the Red River.
Total Suspended Solids (TSS)	2,252	90 mg/l	135 mg/l	

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**Other Effluent Limitations:****1) pH**

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C, the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

**OUTFALL 102 – Internal outfall from the activated sludge treatment plant**

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

<b>Effluent Characteristic</b>	<b>Monthly Avg. (lbs./day)</b>	<b>Monthly Avg.</b>	<b>Weekly Avg.</b>	<b>Basis</b>
BOD <sub>5</sub>	375	30 mg/l	45 mg/l	Limits are set in accordance with the Statewide Sanitary Effluent Limitations Policy (SSELP) for facilities of this treatment type and size which discharge directly into the Red River.
Total Suspended Solids (TSS)	375	30 mg/l	45 mg/l	

**Other Effluent Limitations:****1) pH**

According to LAC 33:IX.3705.A.1., POTW's must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C, the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

**OUTFALL 001 – External outfall after chlorination and dechlorination prior to mixing with other waters**

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

**1) Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5.b.i, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Weekly Average) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

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**2) Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

**3) Total Residual Chlorine (TRC)**

Since chlorine is used as a means of disinfection, a screen was performed to determine if a need for a Water Quality Based Limit exists. A screen was performed using effluent analyses data submitted by the permittee from DMRs dating from January 2005 through December 2006 and from an analysis result submitted in the permit application. The result of the screen indicates that a Water Quality Based Limit is needed. Therefore, a limit of NO MEASURABLE Total Residual Chlorine shall remain in the permit. Given the current constraints pertaining to chlorine analytical methods, NO MEASURABLE will be defined as less than 0.1 mg/l of chlorine.

**4) Toxicity Characteristics**

In accordance with EPA's Region 6 Post-Third Round Toxics Strategy, permits issued to treatment works treating domestic wastewater with a flow (design or expected) greater than or equal to 1 MGD shall require biomonitoring at some frequency for the life of the permit or where available data show reasonable potential to cause lethality, the permit shall require a whole effluent toxicity (WET) limit (*Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards*, September 27, 2001 VERSION 4).

Whole effluent biomonitoring is the most direct measure of potential toxicity which incorporates the effects of synergism of the effluent components and receiving stream water quality characteristics. Biomonitoring of the effluent is, therefore, required as a condition of this permit to assess potential toxicity. LAC 33:IX.1121.B.3. provides for the use of biomonitoring to monitor the effluent for protection of State waters. The biomonitoring procedures stipulated as a condition of this permit are as follows:

The permittee shall submit the results of any biomonitoring testings performed in accordance with the LPDES Permit No. LA0033464, **Biomonitoring Section** for the organisms indicated below.

**TOXICITY TESTS****FREQUENCY**

48 Hour Definitive Toxicity Test  
using Daphnia pulex

1/quarter\*

48 Hour Definitive Toxicity Test  
using fathead minnow (Pimephales promelas)

1/quarter\*

**Dilution Series** - The permit requires five (5) dilutions in addition to the control (0% effluent) to be used in the toxicity tests. These additional concentrations shall be 5%, 7%, 9%, 12%, and 16%. The biomonitoring critical dilution is defined as 12% effluent. The critical dilution is calculated in Appendix B-1 of this fact sheet. According to the Implementation of State Standards, acute toxicity testing in addition to, or in lieu of, chronic toxicity testing may be imposed for discharges that have a critical dilution of five percent (5%) or less. An acute to chronic ratio has been applied in the calculations. Results of all dilutions shall be documented in a full report according to the test method

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publication mentioned in the **Biomonitoring Section** under Whole Effluent Toxicity. This full report shall be submitted to the Office of Environmental Compliance as contained in the Reporting Paragraph located in the **Biomonitoring Section** of the permit.

The permit may be reopened to require effluent limits, additional testing, and/or other appropriate actions to address toxicity if biomonitoring data show actual or potential ambient toxicity to be the result of the permittee's discharge to the receiving stream or water body. Modification or revocation of the permit is subject to the provisions of LAC 33:IX.2383. Accelerated or intensified toxicity testing may be required in accordance with Section 308 of the Clean Water Act.

\*If there are no lethal effects demonstrated after the first year of quarterly testing, the permittee may certify fulfillment of the WET testing requirements in writing to the permitting authority. If granted, the monitoring frequency for the test species may be reduced to not less than once per year for the less sensitive species (usually *Pimephales promelas*) and not less than twice per year for the more sensitive species (usually *Daphnia pulex*). Upon expiration of the permit, the monitoring frequency for both species shall revert to once per quarter until the permit is reissued.

#### 5) Chlordane

The result for Chlordane, which was submitted with the permit application, was listed as less than 3 µg/l. However, the EPA requires that all analyses must be performed at the minimum level of sensitivity listed in the permit application. The EPA MQL for chlordane is 0.2 µg/l. On April 11, 2007, correspondence was sent to the City of Pineville requesting that a result for Chlordane be submitted at the proper level of sensitivity. The City of Pineville has made two other attempts but the laboratory's detection level cannot meet the EPA MQL. The City of Pineville has investigated the issue and has identified that Pentachlorophenol is interfering with the test. The peaks for both compounds, Pentachlorophenol and Chlordane, overlap making it difficult to achieve the detection limit required for Chlordane.

The City of Pineville has two industries which use Pentachlorophenol as a wood preservative to treat poles and crossties. These two industries are Colfax Treating Company and Distran. Each is permitted by the City's pretreatment program and their discharges are monitored by both the City and by the company. Local discharge limits have been developed to ensure the wastewater treatment plant can adequately treat for this pollutant. The local discharge limit for Pentachlorophenol is 5.64 mg/l. There have been no compliance issues noted for either facility. The City of Pineville has committed to researching ways to make the laboratory detection limit meet the required EPA MQL for Chlordane with the Pentachlorophenol interference.

Based on the information provided and because the results submitted for Chlordane were all under the laboratory detection limit of 3 µg/l, no limitation will be required for Chlordane. However, when the City does find a way to test down to the EPA MQL and if the screen shows that a water quality based limit is necessary, the permit may be modified to include a limit for Chlordane.

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**X. PREVIOUS PERMITS:**

LPDES Permit No. LA0033464: Effective: December 1, 2001

Expired: November 30, 2006

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>	
	<u>Monthly</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Measurement</u>	<u>Sample</u>
	<u>Avg.</u>	<u>Avg.</u>	<u>Avg.</u>	<u>Frequency</u>	<u>Type</u>
Flow	---	Report	Report	Continuous	Recorder
BOD <sub>5</sub>	751 lb/day	30 mg/l	45 mg/l	2/week	6 Hr Comp
TSS	2,252 lb/day	90 mg/l	135 mg/l	2/week	6 Hr Comp
TRC	NO MEASURABLE			2/week	Grab
Fecal Coliform					
Colonies/100 ml	---	200	400	2/week	Grab
pH	Range (6.0 su – 9.0 su)			2/week	Grab
Biomonitoring					
<i>Pimephales promelas</i>	---	Report	Report	1/quarter	24 Hr Comp
<i>Daphnia pulex</i>	---	Report	Report	1/quarter	24 Hr Comp

The permit contains biomonitoring.

The permit contains pollution prevention language.

The permit contains pretreatment requirements.

**XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:****A) Inspections**

A review of the files indicates the following most recent inspections performed for this facility.

Date – March 24, 2005

Inspector – Bill Couvillion, LDEQ

Findings and/or Violations –

1. Operations and Maintenance: Two of the aerators were inoperable.
2. Records / Reports: There 12/13/04 pH sample was shown as different values in different documents and also different from these values on the DMR.
3. Effluent / Receiving Waters: There were several permit excursions.

Date – June 4, 2005

Inspector – Michael Accettella, LDEQ

Findings and/or Violations –

- Effluent / Receiving Waters (Marginal): Facility had 3 BOD<sub>5</sub> excursions in April 2005 and 3 BOD<sub>5</sub> excursions in May 2005.



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Date – May 18, 2006

Inspector – Amanda Shahan, LDEQ

Findings and/or Violations –

1. Investigation was conducted in response to citizen complaint.
2. Sewer drain / storm drain overflowing on Berry Street in Pineville near 1007 Berry Street during high rains. Sewer is overflowing into street, yard, and drive-way of neighbor.
3. Mrs. Jowers has informed that drains are leaking sewer in three locations along Berry Street.
4. They have had this problem for several years in this neighborhood.
5. The City of Pineville was contacted and advised to take care of the problem.

Date – March 30, 2007

Inspector – Michael Accettella, LDEQ

Findings and/or Violations –

1. The facility had 5 BODs, 1 TSS, and 1 Ammonia excursions in 2006.
2. The permit application was not submitted within 180 days prior to expiration of old permit.

**B) Compliance and/or Administrative Orders**

*A review of the files indicates the following most recent enforcement actions administered against this facility:*

**LDEQ Issuance:****Consolidated Compliance Order & Notice of Potential Penalty**Enforcement Tracking No. **WE-CN-02-0125 & WE-CN-02-0125A**

Date Issued – May 31, 2002 and November 26, 2002

**Findings of Fact:**

1. The Respondent owns and/or operates a municipal sewage collection and treatment system that serves the residences and businesses of the City of Pineville, Rapides Parish, Louisiana. The Respondent is authorized to discharge certain qualities and quantities of wastewater into the Red River, waters of the state, under the terms and conditions of LPDES permit LA0033464 effective on December 1, 2001, and which expires on November 30, 2006. Previously, the Respondent was authorized to discharge certain qualities and quantities of wastewater under the terms and conditions of National Pollutant Discharge Elimination System (NPDES) permit LA0033464, effective on February 1, 1995, and which expired on January 21, 2000. In accordance with the assumption of the NPDES program by the state on August 27, 1996, NPDES permit LA0033464 became a LPDES permit with the same expiration date. The Respondent did submit an application for the reissuance of LPDES permit LA0033464 on August 16, 1999, therefore said permit was administratively continued.
2. An inspection on March 20, 2000, revealed that the Respondent did

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violate the terms and conditions of LPDES permit LA0033464. Specifically, the Respondent was not maintaining calibration records for the pH meter, the TRC meter, and the thermometer for the ISO sampler. Subsequent inspection on March 14, 2001, revealed that the facility representative could not locate the pH calibration records at the time of the inspection.

3. An inspection on March 14, 2001, revealed that the Respondent did violate the terms and conditions of LPDES permit LA0033464. Specifically, the Respondent was given a rating marginal on the Flow Measurement portion of the permit for not maintaining a flow meter that could be read during periods of high flow.
4. An inspection on March 20, 2000, revealed that three out of the twelve aerators were out of service at the time of the inspection. An inspection on March 14, 2001, revealed that four out of the twelve aerators were out of service at the time of the inspection.
5. Inspections on January 4, 2002, February 23, 2002, and April 29, 2002, and a file review on April 29, 2002, revealed that the Respondent did cause or allow the unauthorized discharge of wastewaters from a location not specified in LPDES permit LA0033464. Specifically, there had been approximately twenty-four (24) unauthorized discharges since June 1999 from lift stations at various locations around the city.
6. Further investigation on April 29, 2002, revealed an adverse impact to aquatic biota in Spring Creek, waters of the state, as a result of the Respondent's unauthorized discharge on April 26, 2002. Specifically, observations during the course of the inspection revealed approximately thirty (30) dead fish in Spring Creek near Pinchurst Drive.
7. A file review on April 29, 2002, revealed that the Respondent failed to report the unauthorized discharge on December 25, 2001, to the Department.
8. A file review on March 19, 2002, revealed effluent violations. From April 1999 through September 2002, there were forty-seven (47) BOD<sub>5</sub> excursions, twenty-one (21) fecal coliform excursions, one (1) TSS excursion, and one (1) TRC excursion reported on DMRs.
9. A file review on October 31, 2002, revealed that the Respondent failed to monitor for Whole Effluent Toxicity (WET) during the second quarter of 2002.

## Order:

1. To immediately take any and all steps necessary to meet and maintain compliance with LPDES permit LA0033464
2. In the event the Respondent believes that complete correction of the above-cited deficiencies is not physically possible within thirty (30) days, the Respondent shall submit a comprehensive plan for the expeditious elimination and prevention of such non-complying discharges. Such plan shall provide for specific corrective actions taken and shall include a schedule for the achievement of compliance within the shortest time possible.
3. To submit a complete written report that shall include a detailed description of the circumstances of the cited violations, the actions taken

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to achieve compliance with the Compliance Order, and corrective or remedial actions taken to mitigate any damages resulting from the violations.

4. Respondent shall comply with the following upgrade schedule:

MILESTONE	COMPLETION DATE
Installation of "Sewer Buddy" equipment at critical lift stations throughout the system.	April 1, 2003
Installation of S.C.A.D.A. equipment at 16 pump stations	April 1, 2003
Begin construction on new WWTP	April 1, 2005
End construction on new WWTP	August 1, 2006
Achieve effluent limits at new WWTP	November 1, 2006

The Respondent shall submit quarterly progress reports to the Department commencing on April 1, 2003, concerning the above-referenced upgrades.

#### **Consolidated Compliance Order & Notice of Potential Penalty**

Enforcement Tracking No. **WE-CN-07-0106**

Date Issued – February 28, 2007

#### **Findings of Fact:**

1. The Respondent owns and/or operates a municipal sewage collection and treatment system which serves the residences and businesses of the City of Pineville, Rapides Parish, Louisiana. The Respondent was authorized to discharge certain qualities and quantities of wastewater into the Red River, waters of the state, under the terms and conditions of LPDES permit LA0033464 effective on December 1, 2001, and which expired on November 30, 2006. The Respondent did not submit an application for the reissuance of LPDES permit LA0033464 in a timely manner; therefore, the Respondent does not have a LPDES permit or other authority to discharge wastes and/or other substances to the waters of the state.
2. The Respondent was issued Consolidated Compliance Order and Notice of Potential Penalty (CCONPP) WE-CN-02-0125 on May 31, 2002, for the following violations: failure to maintain records, the failure to properly monitor flow, the failure to conduct proper operation and maintenance, unauthorized discharges from a location not specified in LPDES LA0033464, destruction of aquatic biota, failure to report an unauthorized discharge, and effluent excursions. This CCONPP mandated the Respondent to take any and all steps necessary to meet and maintain compliance with LPDES permit LA0033464 and to submit a written response and a complete schedule if applicable. The Respondent did submit a written response to the above-mentioned action on July 18, 2002. The Respondent was issued Amended CCONPP WE-CN-02-0125A on November 26, 2002, to incorporate additional effluent violations and a compliance/upgrade schedule. Amended CCONPP WE-CN-02-0125A is a final action of the Department and not subject to further review.
3. A file review on February 27, 2007, revealed that the Respondent did not submit a timely permit renewal application.

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4. Inspections on June 15, 2004, March 24, 2005, and April 5, 2006, and a subsequent file review on February 27, 2007, revealed effluent violations from March 2003 through June 2006. There were fourteen (14) BOD<sub>5</sub> excursions, one (1) fecal coliform excursion, and one (1) TRC excursion during the time period.
5. A file review on February 27, 2007, also revealed that the Respondent did cause or allow the unauthorized discharge of wastewater from locations not specified in LPDES permit LA0033464. Specifically, there had been approximately seventy-three (73) unauthorized discharges for the period June 2002 through November 2006 from various locations in the collection system thence into the Red River.
6. A file review on February 27, 2007, also revealed that the Respondent did cause or allow the unauthorized discharge of wastewater into waters of the state. Specifically, DMRs submitted by the Respondent since the expiration of LPDES permit LA0033464 indicate a continued discharge into the Red River, waters of the state.

## Order:

1. To immediately cease all unauthorized discharges from the Respondent's facility into waters of the state and comply with the Water Quality regulations.
2. To submit to the Office of Environmental Service a completed renewal application for LPDES permit LA0033464.
3. To continue to comply with all the terms and conditions of expired LPDES permit LA0033464 until the renewed permit is issued or until otherwise notified by the Department in writing.
4. To comply with the following upgrade schedule:

Milestone	Completion Date
End Construction on new WWTP.	August 1, 2007
Achieve effluent limits at new WWTP.	November 1, 2007

5. To submit a written report that includes a detailed description of the circumstances surrounding the cited violations and actions taken or to be taken to achieve compliance with the Compliance Order.

**C) DMR Review**

A review of the discharge monitoring reports for the period beginning January 2005 through December 2006 has revealed the following violations:

Parameter	Outfall	Period of Excursion	Permit Limit	Reported Quantity
BOD <sub>5</sub> , Monthly Avg.	001	February 2005	751 lbs/day	1,002 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	April 2005	751 lbs/day	956 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	April 2005	30 mg/l	39 mg/l
BOD <sub>5</sub> , Weekly Avg.	001	April 2005	45 mg/l	48 mg/l
BOD <sub>5</sub> , Monthly Avg.	001	May 2005	751 lbs/day	913 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	May 2005	30 mg/l	36 mg/l
BOD <sub>5</sub> , Weekly Avg.	001	May 2005	45 mg/l	46 mg/l

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BOD <sub>5</sub> , Monthly Avg.	001	January 2006	751 lbs/day	836 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	April 2006	30 mg/l	31 mg/l
BOD <sub>5</sub> , Monthly Avg.	001	June 2006	30 mg/l	31 mg/l
BOD <sub>5</sub> , Monthly Avg.	001	December 2006	751 lbs/day	1,167 lbs/day
BOD <sub>5</sub> , Monthly Avg.	001	December 2006	30 mg/l	41 mg/l
BOD <sub>5</sub> , Weekly Avg.	001	December 2006	45 mg/l	58 mg/l

**XII. ADDITIONAL INFORMATION:**

LDEQ reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future. Additional limitations and/or restrictions are based upon water quality studies and can indicate the need for advanced wastewater treatment. Water quality studies of similar dischargers and receiving water bodies have resulted in monthly average effluent limitations of 5mg/L CBOD<sub>5</sub> and 2 mg/L NH<sub>3</sub>-N. Prior to upgrading or expanding this facility, the permittee should contact LDEQ to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The nearest drinking water intake, Bossier City Waterworks, is located upstream from the discharge point. Therefore, monitoring for Toxic Substances to address any drinking water issues is not a requirement of this permit.

Final effluent loadings (i.e. lbs/day) have been established based upon the permit limit concentrations and the design capacity of each treatment train (Outfall 101 – 3.0 MGD; Outfall 102 – 1.5 MGD).

Effluent loadings are calculated using the following example:

Total Mass Loading for BOD<sub>5</sub>: 8.34 lbs/gal x 3.0 MGD x 30 mg/l = 751 lbs/day

At present, the Monitoring Requirements, Sample Types, and Frequency of Sampling as shown in the permit are standard for facilities of flows between 1.00 and 5.00 MGD.

Effluent CharacteristicsMonitoring Requirements

<u>Measurement</u>	<u>Sample</u>
<u>Frequency</u>	<u>Type</u>

Outfall 101

Flow	Continuous	Recorder
BOD <sub>5</sub>	2/week	6 Hr. Composite
Total Suspended Solids	2/week	6 Hr. Composite
pH	2/week	Grab

Outfall 102

Flow	Continuous	Recorder
BOD <sub>5</sub>	2/week	6 Hr. Composite
Total Suspended Solids	2/week	6 Hr. Composite
pH	2/week	Grab

Outfall 001

Fecal Coliform Bacteria	2/week	Grab
TRC	2/week	Grab

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Biomonitoring	<u>Daphnia pulex</u>	1/quarter	24 Hr. Composite
	<u>Pimephales promelas</u>	1/quarter	24 Hr. Composite

**Pretreatment Requirements**

Based upon consultation with LDEQ pretreatment personnel, LDEQ Option 2A Pretreatment Language is required for this facility. This language is established for municipalities with industrial users on their collection system and with an approved pretreatment program.

**Pollution Prevention Requirements**

The permittee shall institute or continue programs directed towards pollution prevention. The permittee shall institute or continue programs to improve the operating efficiency and extend the useful life of the facility. The permittee will complete an annual Environmental Audit Report **each year** for the life of this permit according to the schedule below. The permittee will accomplish this requirement by completing an Environmental Audit Form which has been attached to the permit. All other requirements of the Municipal Wastewater Pollution Prevention Program are contained in Part II of the permit.

The audit evaluation period is as follows:

<b>Audit Period Begins</b>	<b>Audit Period Ends</b>	<b>Audit Report Completion Date</b>
Effective Date of Permit	12 Months from Audit Period Beginning Date	3 Months from Audit Period Ending Date

**Stormwater Discharges**

Because the design flow of the City of Pinville Wastewater Treatment Plant is greater than 1.0 MGD and in accordance with LAC 33:IX.2511.B.14.i, the facility may contain storm water discharges associated with industrial activity. Therefore, in accordance with LAC 33:IX.2511.A.1.b, specific requirements addressing stormwater discharges will be included in the discharge permit.

**XIII****TENTATIVE DETERMINATION:**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in this Statement of Basis.

**XIV****REFERENCES:**

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2005.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 1998.

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Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards", Louisiana Department of Environmental Quality, 2004.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program", Louisiana Department of Environmental Quality, 2004.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, City of Pineville, City of Pineville Wastewater Treatment Plant, March 12, 2007.